PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference CMRN: 0050PCT	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No.	International filing date (day/mont	th/year) (Earliest) Priority Date (day/month/year)
PCT/US2007/084879	15/11/2007	18/12/2006
Applicant		•
CAMERON INTERNATIONAL COR	PORATION	
This international search report has been according to Article 18. A copy is being to	prepared by this international Searce ansmitted to the international Burea	ching Authority and is transmitted to the applicant au.
This international search report consists of	of a total ofshe	eets.
X It is also accompanied by	a copy of each prior art document o	cited in this report.
1. Basis of the report	laternational analysis are south as a	denthe books of
a. With regard to the language, the	international search was carried out application in the language in which	
a translation of th	e international application into	
	report has been established taking i to this Authority under Rule 91 (Rule	into account the rectification of an obvious mistake = 43.6 <i>bls</i> (a)).
c. With regard to any nucleo	otide and/or amino acid sequence	e disclosed in the international application, see Box No. I.
2. Certain claims were fou	nd unsearchable (See Box No. II)	
3. Unity of invention is lac	king (see Box No III)	
4. With regard to the title,	•	
x the text is approved as su	ibmitted by the applicant	
the text has been establis	shed by this Authority to read as folio	ows:
_	,	
*	-	
5. With regard to the abstract,	•	
X the text is approved as su	ibmitted by the applicant	
the text has been establismay, within one month from	hed, according to Rule 38.2(b), by tom the date of mailing of this interna	this Authority as it appears in Box No. IV. The applicant ational search report, submit comments to this Authority
With regard to the drawings,	•	
	published with the abstract is Figure	No. <u>4</u>
X as suggested by	•	
as selected by thi	is Authority, because the applicant f	failed to suggest a figure
as selected by thi	is Authority, because this figure bett	ter characterizes the invention
b. none of the figures is to b	e published with the abstract	

INT. "NATIONAL SEARCH REPORT

International application No PCT/US2007/084879

A. CLASSIFICATION OF SUBJECT MATTER INV. E21B33/035 E21B33/038 E21B43/36 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) E21B Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Category* Citation of document, with indication, where appropriate, of the relevant passages WO 2005/083228 A (ENHANCED RECOVERY LTD 1 - 25DES [GB]; DONALD IAN [GB]; REID JOHN [GB]; CRAWF) 9 September 2005 (2005-09-09) claims 1,24,25,28,30,31; figures 4-10,14,16 WO 03/078793 A (ABB OFFSHORE SYSTEMS AS 1-13,[NO]; OESTERGAARD INGE [NO]) 20-25 25 September 2003 (2003-09-25) page 3, line 4 - line 12; figures 1-3,22 page 3, line 21 - line 28 page 5, line 21 - line 24 page 10, line 21 - line 27 page 11, line 28 - line 31 page 18, 1ine 26 -Further documents are listed in the continuation of Box C. See patent family annex. Special categories of cited documents: "T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the last which is not considered to be of particular relevance Invention "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the citation or other special reason (as specified) document is combined with one or more other such docu-"O" document referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled other means In the art. *P* document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the International search Date of mailing of the international search report 13/06/2008 6 June 2008 Name and mailing address of the ISA/ Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31~70) 340-2040, Tx. 31 651 epo nl, Dantinne, Patrick Fax: (+31-70) 340-3016

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INT NATIONAL SEARCH REPORT

Intellational application No PCT/US2007/084879

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00/47864 A (FMC CORP [US]; ANDERSEN TORE [NO]; BREDA JOEREN [NO]; GATHERAR NICHOLA) 17 August 2000 (2000-08-17) page 4, line 6 - line 24 page 5, line 29 - page 6, line 9 page 13, line 23 - line 31; figures 3,4 figures 25-35	1-13, 20-25
X	WO 03/033868 A (ALPHA THAMES LTD [GB]; APPLEFORD DAVID ERIC [GB]; LANE BRIAN WILLIAM [) 24 April 2003 (2003-04-24) claims 1,4,5; figures 1,2,4	1-12, 20-25
A	WO 2005/047646 A (ENHANCED RECOVERY LTD DES [GB]; DONALD IAN [GB]; REID JOHN [GB]) 26 May 2005 (2005-05-26) cited in the application abstract	14,15
•		
		-

IN NATIONAL SEARCH REPORT

Information on patent family members

International application No PCT/US2007/084879

Patent document cited in search report	. 1	Publication date		Patent family member(s)	Publication date
WO 2005083228	A	09-09-2005	AU BR CA EP	2005216412 A1 PI0508049 A 2555403 A1 1721058 A1	09-09-2005 17-07-2007 09-09-2005 15-11-2006
WO 03078793	A	25-09-2003	AU GB NO US	2003206458 A1 2402687 A 20020989 A 2005173322 A1	29-09-2003 15-12-2004 29-08-2003 11-08-2005
WO 0047864	A	17-08-2000	AU BR CA EP	2453300 A 0009965 A 2362810 A1 1151178 A1	29-08-2000 26-03-2002 17-08-2000 07-11-2001
WO 03033868	A	24-04-2003	AT BR EP NO. US	326611 T 0213625 A 1444415 A1 20041929 A 2004251030 A1	15-06-2006 14-09-2004 11-08-2004 11-05-2004 16-12-2004
WO 2005047646	Ą	26-05-2005	AU CA	2004289864 A1 2526714 A1	26-05-2005 26-05-2005

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY To: WRITTEN OPINION OF THE see form PCT/ISA/220 INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) Date of mailing (day/month/year) see form PCT/ISA/210 (second sheet) Applicant's or agent's file reference FOR FURTHER ACTION see form PCT/ISA/220 See paragraph 2 below International application No. International filing date (day/month/year) Priority date (day/month/year) PCT/US2007/084879 15.11.2007 18.12.2006 International Patent Classification (IPC) or both national classification and IPC INV. E21B33/035 E21B33/038 E21B43/36 Applicant **CAMERON INTERNATIONAL CORPORATION** This opinion contains indications relating to the following items: 1. ☑ Box No. I Basis of the opinion ☐ Box No. II **Priority** ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability ☐ Box No. IV Lack of unity of invention Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement ☐ Box No. VI· Certain documents cited ☐ Box No. VII Certain defects in the international application Box No. VIII Certain observations on the international application **FURTHER ACTION** If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notifed the International Bureau under Rule 66.1 bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. 3. For further details, see notes to Form PCT/ISA/220. Name and mailing address of the ISA: Date of completion of Authorized Officer this opinion European Patent Office - P.B. 5818 Patentidage form

PCT/ISA/210

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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US2007/084879

E	Box N	o. I Basis of the opinion				
1. V	Vith r	egard to the language, this opinion has	been established	on the basis of	h	
Σ	☑ th	e international application in the languag	ge in which it was	filed		
[⊒ a pu	translation of the international applicatio urposes of international search (Rules 12	n into , which is t 2.3(a) and 23.1 (k	he language of	a translation fur	nished for the
2. [nis opinion has been established taking i or notified to this Authority under Rule			an obvious mis	t ake authorized
		egard to any nucleotide and/or amino a sary to the claimed invention, this opinio				ication and
а	ı. type	of material:			•	
		a sequence listing	·			
	: 🗖	table(s) related to the sequence listing		·		•
b	, forn	nat of material:			·	·
		on paper	•			
		in electronic form				
C	. time	of filing/furnishing:				
		contained in the international application	on as filed.			
•	. 🗀	filed together with the international app	olication in electro	nic form.		
		furnished subsequently to this Authority	y for the purpose:	of search.		
4. [ha co ar	addition, in the case that more than one is been filed or furnished, the required supplies is identical to that in the application propriate, were furnished.	tatements that the	e information in	the subsequent	or additional

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US2007/084879

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Yes: Claims

No: Claims

<u>1-25</u>

Inventive step (IS)

Yes: Claims

Claims

No:

<u>1-25</u>

Industrial applicability (IA)

Yes: Claims

<u>1-25</u>

No: Claims

2. Citations and explanations

see separate sheet

Re Item V.

- 1 Reference is made to the following documents:
 - D1: WO 2005/083228 A (ENHANCED RECOVERY LTD DES [GB]; DONALD IAN [GB]; REID JOHN [GB]; CRAWF) 9 September 2005
 - D2: WO 03/078793 A (ABB OFFSHORE SYSTEMS AS [NO]; OESTERGAARD INGE [NO]) 25 September 2003
 - D3: WO 00/47864 A (FMC CORP [US]; ANDERSEN TORE [NO]; BREDA JOEREN [NO]; GATHERAR NICHOLA) 17 August 2000
 - D4: WO 03/033868 A (ALPHA THAMES LTD [GB]; APPLEFORD DAVID ERIC [GB]; LANE BRIAN WILLIAM [) 24 April 2003
 - D5: WO 2005/047646 A (ENHANCED RECOVERY LTD DES [GB]; DONALD IAN [GB]; REID JOHN [GB]) 26 May 2005 cited in the application
- 2 INDEPENDENT CLAIM 1
- 2.1 The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of claim 1 is not new in the sense of Article 33(2) PCT.

Document D1 discloses (the references in parentheses applying to this document):

A system, comprising:

- a first module (see fig. 8) configured to process fluid from a well, wherein the first module comprises:
- a processing device (99) coupleable to a manifold;
- a first access tunnel (109) extending through the processing device, wherein the access tunnel is configured to provide access to the manifold; (see fig. 6) a processing input; and
- a processing input, and
- a processing output (see fig. 15)
- 2.2 Documents D2-D4 also disclose all technical features of claim 1.

3 DEPENDENT CLAIMS 2-13, 16-19, 21, 22, 24, 25

Dependent claims 2-13, 16-19, 21, 22, 24, 25 do not contain any features which, in combination with the features of any claim to which they refer, meet the requirements of the PCT in respect of novelty and/or inventive step (Article 33(2) and (3) PCT), see the documents D1-D5 and the corresponding passages cited in the ISR.

Independent claims 14, 15, 20 and 23: lack of clarity of the claims as a whole arises, since the plurality of independent claims makes it difficult, if not impossible, to determine the matter for which protection is sought, and places an undue burden on others seeking to establish the extent of the protection.